

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Dhiraj SARDAR

Andrew T. C. TSIN

Serial No.: 10/543,001

Filed: May 23, 2006

For: METHOD AND APPARATUS FOR
DIAGNOSING NEOVASCULARIZED
TISSUES

Group Art Unit: 3737

Examiner: Unknown

Atty. Dkt. No.: UTSJ:041US

Confirmation No.: 1190

CERTIFICATE OF ELECTRONIC TRANSMISSION

I hereby certify that this correspondence is being electronically filed with the United States Patent and Trademark Office via EFS-Web on the date below:

July 13, 2007

Date

Michael C. Barrett

Michael C. Barrett

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

Sir:

In compliance with the duty of disclosure under 37 C.F.R. § 1.56, it is respectfully requested that this Information Disclosure Statement be entered and the documents listed on attached Form PTO-1449 be considered by the Examiner and made of record. Copies of the listed documents required by 37 C.F.R. § 1.98(a)(2) are enclosed for the convenience of the Examiner.

In accordance with 37 C.F.R. §§ 1.97(g), (h), this Information Disclosure Statement is not to be construed as a representation that a search has been made, and is not to be construed to be an admission that the information cited is, or is considered to be, material to patentability as defined in 37 C.F.R. § 1.56(b).

The present Information Disclosure Statement is being filed prior to the receipt of a first Official Action reflecting an examination on the merits, and hence is believed to be timely filed in accordance with 37 C.F.R. § 1.97(b). No fees are believed to be due in connection with the filing of this Information Disclosure Statement, however, should any fees under 37 C.F.R. §§ 1.16 to 1.21 be deemed necessary for any reason relating to these materials, the Commissioner is authorized to deduct the appropriate fees from Fulbright & Jaworski Deposit Account No.: 50-1212/UTSJ:041US.

Applicants respectfully request that the listed documents be made of record in the present case.

Respectfully submitted,



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Date: July 13, 2007

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List of Patents and Publications for Applicant's INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)	Applicant Dhiraj SARDAR Andrew T. C. TSIN	
	Filing Date: May 23, 2006	Group: 3737
U.S. Patent Documents <i>See Page 1</i>	Foreign Patent Documents <i>See Page 1</i>	Other Art <i>See Page 1-4</i>

U.S. Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date of App.
	A1	2002/0033364	10/25/01	Cabib <i>et al.</i>	351	221	01/03/01
	A2	2002/0097376	07/25/02	Applegate <i>et al.</i>	351	205	03/27/01
	A3	2002/0101566	08/01/02	Elsner <i>et al.</i>	351	200	07/31/01
	A4	5,303,709	04/19/94	Dreher <i>et al.</i>	600	476	12/16/91
	A5	6,112,114	08/29/00	Dreher	600	476	06/04/98
	A6	6,276,798	08/21/01	Gil <i>et al.</i>	351	206	05/10/99
	A7	6,293,674	09/25/01	Huang <i>et al.</i>	351	221	07/11/00
	A8	6,356,036	03/12/02	Zhou	315	215	12/01/00
	A9	6,404,497	06/11/02	Backman <i>et al.</i>	356	369	01/25/99
	A10	6,419,361	07/16/02	Cabib <i>et al.</i>	351	221	01/03/01

Foreign Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Country	Class	Sub Class	Translation Yes/No

Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
	C1	Anderson and Paris, "The optics of human skin," <i>J. Invest. Dermatol.</i> , 77:13-19, 1981.
	C2	Beek <i>et al.</i> , "In vitro double-integrating-sphere optical properties of tissues between 630 and 1064 nm," <i>Phys. Med. Biol.</i> , 42:2255-2261, 1997.
	C3	Boettner and Wolter, "Transmission of the ocular media," <i>Invest. Ophthalmol.</i> , 1:776-783, 1962.
	C4	Campochiaro, "Retinal and choroidal neovascularization," <i>J. Cell. Physiol.</i> , 184:301-310, 2000.
	C5	Chandrasekhar, In: <i>Radiative Transfer</i> , Dover, New York, pp. 1-53, 1960.

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EXAMINER: /Joel Brutus/	DATE CONSIDERED: 12/20/2008
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EXAMINER: INITIAL IF REFERENCE CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

INFORMATION DISCLOSURE STATEMENT — PTO-1449 (MODIFIED)
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Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

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	C6	Delori and Pflibsen, "Spectral reflectance of the human ocular fundus," <i>Appl. Opt.</i> , 28(6):1061-1077, 1989.
	C7	Dryja <i>et al.</i> , "Elemental analysis of melanins from bovine hair, iris, choroid, and retinal pigment epithelium." <i>Invest. Ophthalmol. Visual Sci.</i> , 18:231-236, 1979.
	C8	Ducros <i>et al.</i> , "Primate retina imaging with polarization-sensitive optical coherence tomography," <i>J. Opt. Soc. Am. A</i> , 18:2945-2956, 2001.
	C9	Ertefai and Profio, "Spectral transmittance and contrast in breast diaphanography," <i>Med. Phys.</i> , 12:393-400, 1985.
	C10	Flower <i>et al.</i> , "The effect of blood on ocular fundus reflectance and determination of some optical properties of retinal blood vessels," <i>Invest. Ophthalmol. Visual Sci.</i> , 17(6):562-565, 1978
	C11	Geerates and Berry, "Ocular spectral characteristics as related to hazards from lasers and other light sources," <i>Amer. J. Ophthalmol.</i> , 66:15-20, 1968.
	C12	Groenhuis <i>et al.</i> , "Scattering and absorption of turbid materials determined from reflection measurements. 1: Theory," <i>Appl. Opt.</i> , 22:2456-2462, 1983.
	C13	Hecht, "Table of Contents," In: <i>Optics</i> , 4 th ed., Addison Wesley, New York, 2002.
	C14	Ishimaru, "Table of Contents," In: <i>Wave propagation and scattering in random media</i> , Vol. 1, Academic Press, New York, 1978.
	C15	Kahn and Hiller, "Blindness caused by diabetic retinopathy," <i>Am. J. Ophthalmol.</i> , 78:58-67, 1974.
	C16	Klein and Klein, "Table of Contents," In: <i>Group NDD, Ed. Diabetes in America</i> . Washington, D.C.: National Institute of Health, 294, 1995.
	C17	Knighton <i>et al.</i> , "The Spectral Reflectance of the Nerve Fiber Layer of the Macaque Retina," <i>Invest. Ophthalmol. Visual Sci.</i> , 30(11):2393-2402, 1989.
	C18	Kottler, "Turbid Media with Plane-Parallel Surfaces," <i>J. Opt. Soc. Am.</i> , 50:483-490, 1960.
	C19	Kubelka, "New Contributions of the Optics of Intensely Light-Scattering Materials. Part I," <i>J. Opt. Soc. Am.</i> , 38:448-457, 1948.
	C20	Maher, In: <i>Transmission and absorption coefficients for ocular media of the rhesus monkey</i> , USAF School of Aerospace Med., Brooks AF Base, TX, Report SAM-TR-78-32, pp. 1-40, 1978

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	C21	McLeod <i>et al.</i> , "Vasoproliferation in the neonatal dog model of oxygen-induced retinopathy," <i>Invest. Ophthalmol. Visual Sci.</i> , 37:1322-1333, 1996.
	C22	McLeod <i>et al.</i> , "Visualization of a developing vasculature," <i>Microvasc. Res.</i> , 33:257-269, 1987.
	C23	Mourant <i>et al.</i> , "Scattering properties of biological cells," <i>OSA TOPS</i> , 22:11-14, 1998.
	C24	PCT International Search Report and Written Opinion, issued in International Application No.: PCT/US04/01836, dated November 18, 2004.
	C25	Prahl <i>et al.</i> , "A Monte Carlo Model of Light Propagation in Tissue," <i>SPIE Institute Series</i> , 5:102-111, 1989.
	C26	Prahl <i>et al.</i> , "Determining the optical properties of turbid media by using the adding-doubling method," <i>Appl. Opt.</i> , 32:559-568, 1993.
	C27	Prince <i>et al.</i> , "Preferential Light Absorption in Atheromas in Vitro: Implications for Laser Angioplasty," <i>J. Clin. Invest.</i> , 78:295-302, 1978.
	C28	Reynolds <i>et al.</i> , "Diffuse reflectance from a finite blood medium: applications to the modeling of fiber optic catheters," <i>Appl. Opt.</i> , 15:2059-2067, 1978.
	C29	Sardar and Levy, "Optical Properties of Whole Blood," <i>Lasers Med. Sci.</i> , 13:106-111, 1998.
	C30	Sardar <i>et al.</i> , "Optical characterization of melanin," <i>J. Biomed. Opt.</i> , 6:404-411, 2001.
	C31	Sarna, "Properties and function of the ocular melanin--a photobiophysical view," <i>J. Photochem. Photobiol.</i> , 12(3):215-258, 1992.
	C32	van den Berg and Spekreijse, "Near infrared light absorption in the human eye media," <i>Vision Res.</i> , 37:249-253, 1997.
	C33	Van Gemert and Star, "Relations Between the Kubelka-Munk and the Transport Equation Models for Anisotropic Scattering," <i>Lasers Life Sci.</i> , 1:287-298, 1987.
	C34	Van Gemert <i>et al.</i> , "Optical properties of human blood vessel wall and plaque," <i>Lasers Surg. Med.</i> , 5:235-237, 1985.
	C35	Van Gemert <i>et al.</i> , "Tissue Optics for a Slab Geometry in the Diffusion Approximation," <i>Lasers Med. Sci.</i> , 2:295-302, 1987.

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	C36	Vos <i>et al.</i> , "Absolute Spectral Reflectance of the Fundus Oculi," <i>J. Opt. Soc. Am.</i> , 55:573-574, 1965.
	C37	Wan <i>et al.</i> , "Analytical Modeling for the Optical Properties of the Skin with In Vitro and In Vivo Applications," <i>Photochem. Photobiol.</i> , 34:493-499, 1981.

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